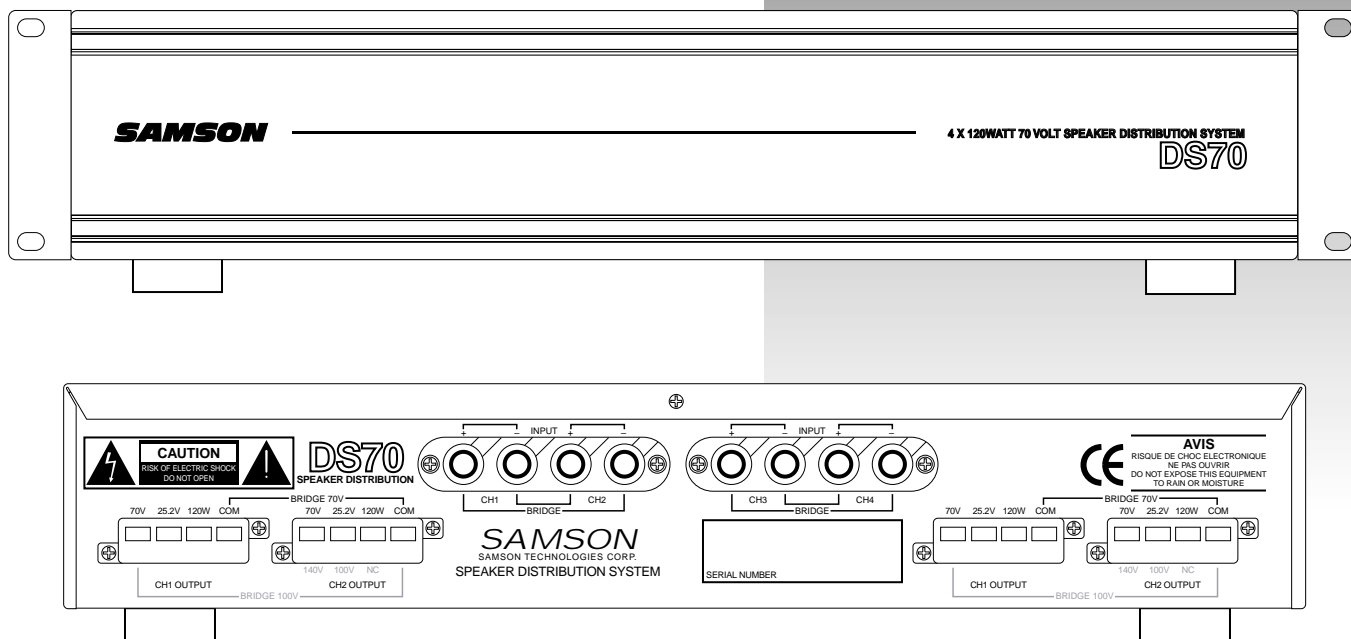


# DS70

## 70 VOLT SPEAKER DISTRIBUTION SYSTEM

**SAMSON AUDIO**



### FEATURES:

- Converts standard 4 ohm input to 70 volt or 25 volt speaker distribution system.
- 4 high quality audio toroidal transformers.
- 2 rack spaces.
- Binding post input.
- Terminal strip output: 4 ohm, 70V and 25V.
- Maximum power each output: 120 Watts.
- No AC power required.
- Rack ears included.

### APPLICATIONS:

- Ceiling Speakers.
- Commercial Sound.
- Connect four 70V transformer inputs to outputs of a quad Amp (Samson Servo 4060 or Servo 4120) for four separate zones.
- Use 25 Volt outputs for UL approved exposed wire installations.

Contact:

## ARCHITECT'S & ENGINEER'S SPECIFICATION

The DS70 Speaker Distribution System, having 4 independent channels of operation, shall receive a separate input signal for each channel (up to 120 watts) and each shall output a signal at 70 volts, 25.2 volts and 100 volts. Non-bridged modes of operation shall deliver up to 120 watts of power to each of the four zones. Bridged modes of operation shall deliver up to 240 Watts of power to each of two discrete zones. Bridged 70 Volt mode shall enable the use of two discrete transformer-isolated lines which receive the same input signal. This shall not only allow the level of each zone to be controlled independently, but also insure that line failure in one zone does not affect the other. The DS70 shall have provision for custom 140 Volt output where exceptionally long cable runs are required. The unit shall have binding post inputs and terminal outputs and include heavy duty rack ears which allow the DS70 to be mounted in a standard 19" rack taking up two rack-spaces.

The dimensions shall allow for standard 19" (482mm) EIA rack-mounting. They shall be 3.5" (88 mm; 2 rack spaces) high and 7.5" (190mm) deep. Weight shall be 35 lb. (18.88kg). This unit shall carry a three-year warranty.

The Speaker Distribution system shall be a SAMSON DS70.

## DS70 SPECIFICATIONS

Input Impedance:	4 $\Omega$ (non-bridged modes) 8 $\Omega$ (bridged modes) 2 $\Omega$ (dual mode)
Maximum Power each Input:	120 Wrms (non-bridged modes) 240 Wrms (bridged and dual modes)
Output:	70 V, 25.2 V (non-bridged) 100 V, 140 V (bridged)
Insertion Loss:	-0.55 dB @ 1kHz
Frequency response:	Flat, +0 dB, -3 dB 20 Hz to 20 kHz, ref.1 kHz -1 dB, 15 Hz & 9.1 kHz @ 120 Wrms -3 dB, 10 Hz & 20 kHz @ 120 Wrms
THD + N:	<.04% @ 120 Wrms
Dimensions:	(19" (w) x 7.5" (d) x 3.5" (h) 482 mm (w) x 190 mm (d) x 88 mm (h)
Weight:	35 lbs. 18.88 kg
Heavy Duty rack ears:	Included
CE:	Unit conforms

## MODES OF OPERATION

